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HI RESOLUTION

definition and technology

CATALOGUE 2009

Member of CEQ Federation
RINA
ISO 9001:2000
Certified Quality System

PROFESSIONAL VIDEOSURVEILLANCE SYSTEMS

Member of CISQ Federation
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ISO 9001:2000
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DVR H.264 SERIES SRT

SRT (Super Real Time) digital video recorder. Family S is highly suitable for home and business applications that needs high security and they are compatible with Standard and IP videosuveillance integrated complex systems. Video system compression H.264. Pentaplex function: Live display, Recording, Playback, Backup and network remote setup. Embedded Linux operative system.
D1 recording (6fps for channels) (series S) and CIF (25fps for channels). Motion detection with sensibility and areas programmable. 8 Privacy areas for each channel (series S). Inputs and outputs alarm. RAID function, hibernation and alarm on Hard Disk fault (series S). LAN/WAN connection with TCP/IP, DHCP, DDNS, PPPoE, FTP,using HR remote software or web browser internet explorer. HR central management software up to 36 channels lets display thought smartphone and PDA based on windows Mobile 5.0 or superior to display the image with mobile phone, speed dome control and playback. one windows mode or quad mode playback. Automatic and programmable image cycling change over and accurate searching by rotating cursor aiming (S series). DVD/CD burner on board (S series). Easy backup by DVD burner or USB key. Automatic speed dome control using HR protocol when alarms. Intelligent 3D aiming function. 2 video BNC outputs, 1 video VGA 1024x768 output, 1 Matrix output, 4-8-16 Loop (S series). SRT compatible to system IP HR.

HRVR1604S

16 video channels and 4 audio DVR. 2 video BNC outputs, 1 video VGA 1024x768 output, 1 Matrix output, 16 Loop. 8 SATA ports to drive Hard Disks and burner. Dimensions: 440 x 460 x 89mm. Mount: Rack 2U or desk. 230V, 40W max power supply. Weight: 7Kg. **Outfit:** 1 software and user manual CD , 1professional Hard Disk Seagate 250GB SATA, 1 DVD-CD burner, 1 USB key 1GB, 1 mouse, 1 remote control, 1 microphone.

HRVR0804S

8 video channels and 4 audio DVR. 2 video BNC output, 1 video VGA 1024x768 output, 1 Matrix output, 8 Loop.
8 port SATA to drive Hard Disks and burner. Dimensions: 440 x 460 x 89mm. Mount : Rack 2U, desk. 230V, 40W max power supply. Weight: 7Kg. **Outfit:** 1 software and user manual CD, 1professional Hard Disk Seagate 250GB SATA, 1 DVD-CD burner, 1 USB key 1GB, 1 mouse, 1 remote control, 1 microphone.

HRVR0404S

4 video channels and 4 audio DVR. 2 video BNC output, 1 video VGA 1024x768 output, 1 Matrix output, 4 Loop.
8 port SATA to drive Hard Disks and burner. Dimensions: 440 x 460 x 89mm. Mount : Rack 2U, desk. 230V, 40W max power supply. Weight: 7Kg. **Outfit:** 1 software and user manual CD , 1 professional Hard Disk Seagate 250GB SATA, 1 DVD-CD burner, 1 USB key 1GB, 1 mouse, 1 remote control, 1 microphone.

HRVR0414

4 video channels and 4 audio DVR. 1video BNC output, 1 video VGA output, 1 port IDE for Hard Disk. Dimensions: 200 x 270 x 130 mm. 12Vdc power supply. Weight: 2,5 Kg. **Outfit:** 1 software and user manual CD, one 30Vac/12Vdc power supply, 1 USB to 1 GB, 1 mouse, 1 remote control.

PROFESSIONAL HARD DISK

Seagate® SV35 Series disk units, specially designed to be used with HR and LCT video surveillance digital systems, they can offer high speed, big recording capacity and energy-saving. The higher operative control level of these Hard Disk (obtained by video writing/reading profiles) allows continuous recording/deleting of data coming from different video input, digital or analog sources. 7.200 RMP.

HRX500SV	500 GB - IDE
HRX500SVS	500 GB - SATA
HRX250SV	250 GB - IDE
HRX250SVS	250 GB - SATA
HRX160SV	160 GB - IDE
HRX160SVS	160 GB - SATA

ACCESSORIES

HRMIC

Environmental microphone for recording . Audiometric adjustment up to 10 m.
12Vdc power supply. Dimensions 75 x 50 x 30mm. Weight 50 g.

Images and specification are subject to change without notice

ALARMED SPEED DOME SERIES TDN IP

SPEED DOME series TDN (true day/night, with C to B/W mechanical switch filter), IP with web server for high control during the day and night. Outdoor Auto ICR, anti-vandal, IP67. control modality trough RS-485 line. H.264 video compression with max resolution D1. LAN/WAN connection with TCP/IP, DHCP, DDNS, PPPoE, FTP,using HR remote software or web browser internet explorer. HR central management software up to 36 channels allows to display thought smartphone and PDA based and by windows Mobile 5.0 or superior to display the images with mobile phone. 8 privacy areas, Super Electronic Shutter, White Balance, Super BLC , OSD, 360° continuous rotation from 0,1 to 180°/s. Pelco P /D Connection Protocol and 3D function with DVR HR series, Autoflip,128 Preset selectable, 8 Auto-Tour, 5 programmable Patterns, 5 Auto-Scan, 2 inputs alarm and 1 output.
All SPEED DOME are compatible to make complex video control and IP videosurveillance with HR components.
24Vdc-24Vac power supply. Dimensions 240 Ø x 318 mm.
Outfit: 1 software and manual CD

HRSD636IP
Camera SONY Exview 1/4" FCB-EX1000P zoom 432x (36x optical, 12x digital), 3.4 mm (wide) to 122.4 mm (tele). Minimum illumination 0,7 Lux. Bracket not included.

HRSD626IP
Camera SONY Exview 1/4" FCB-EX980P zoom 312x (26x optical, 12x digital), 3.5 mm (wide) to 91.0 mm (tele). Minimum illumination 0,7 Lux. Bracket not included.

HRSD618IP
Camera SONY Exview 1/4" FCB-EX480CP zoom 216x (18x optical, 12x digital), 4.1mm (wide) to 73.8 mm (tele). Minimum illumination 0,7 Lux. Bracket not included.

SPEED DOME TDN ACCESSORIES

HRPS2425
Switching power regulator, 27,6Vdc 2,5A. 230Vac.
Dimensions 190 x 38 x 98mm.

HRPS2490
Voltage transformer 230Vac/24Vac 100VA

HRST600M
Wall mount bracket.

HRST600S
Ceiling mount bracket.

HRST600P
Pole mount bracket for HRST600M

HRST600A
Corner mount bracket for HRST600M

SPEED DOME AND DVR CONTROL KEYBOARDS

HRKB001
Advanced control keyboard for HR and LCT SPEED DOMEs and HR and DVRs series. Rs-232 e Rs-485 connection for speed dome HR/LCT series, zoom camera LCT and DVR HR series.
Pelco P/D Protocol, Display LCD 84 x 31mm.
Dimensions 320 x 190 x 90 mm. Weight 1,0 Kg.12Vdc power supply outfit.

HRKB001NET
Advanced control keyboard for SPEED DOMEs and HR DVRs series trough LAN RS-232 and RS-485 connections for manage speed domes HR and LCT series, zoom camera LCT and HR DVR series and network connection fro digital analog systems. Pelco P/D Protocol, Display LCD 84 x 31mm.
Dimensions 320 x 190 x 90 mm. weight 1,0 Kg. 12Vdc power supply outfit.

Images and specification are subject to change without notice

IP CAMERAS

Real Time IP cameras with H.264 video compression. Web browser internet explorer, LAN/WAN connection with TCP/IP, DHCP, DDNS, PPPoE, FTP, using HR remote software or web browser internet explorer . HR central management software up to 36 channels let display thought Smartphone and PDA based on windows Mobile 5.0 or superior to display the image with mobile phone.

HRT445IP

Day/Night camera video resolution 480TVL color, 600 TVL black and white. C/CS thread lens compatibility

Real Time DINAMIC IP, video compression H.264. Integrated Web server , max resolution D1. 2 alarm inputs and 1 Relay Out. DC/Video autoiris, one SD card slot to local records in case of fault or connection breaking off.

Supply 12Vdc 480mA.

Dimensions: 130 x 60 x 70mm. Weight 430 g.

Package contents: software CD and manual.

HRT006IP

Indoor Day/night compact camera . Sensor CMOS. 12 IR LED up to10 m range. Fixed lens 6mm, Bidirectional audio. Real Time, DINAMIC IP, video compression H.264. Integrated Web server. Max resolution D1.

Dimensions 100 x 100 x 62mm. Weight 160 g.

Package contents:

5Vdc power supply and bracket to fix on wall or ceiling.

Software CD and manual.

HRT008IP

Indoor Day/Night compact dome camera . CMOS Sensor. Fixed lens 2.9mm. environmental microphone. Pan Tilt function. Real Time DINAMIC IP, Video compression H.264. Integrated Web server . Max resolution D1.

Dimensions100 Ø x 110mm. Weight 310 g.

Package contents:

5Vdc power supply and bracket to fix on wall or ceiling.

Software CD and manual.

Images and specification are subject to change without notice

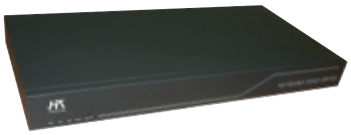
IP VIDEOSERVER

REAL TIME video server with H.264 video compression, image max resolution D1. Camera management with privacy mask, camera lock, color adjustment, PTZ management by RS485. 4 inputs alarm and 2 outputs, support for 1 Hard Disk SATA to local recording or in case of network lacking or fault. USB Backup. LAN/WAN connection with TCP/IP, DHCP, DDNS, PPPoE, FTP functions, using HR remote software or web browser internet explorer . Proprietary HR central management software up to 36 channels allows to display thought smartphone and PDA based on windows Mobile 5.0 or superior to display the images with mobile phone. All VIDEOSERVER are compatible to make video control complex systems with HR IP components and standard as well.

RACK mount 1U.

230 Vac power supply.

Dimensions 440 x 215 x 45mm. Weight 2,5 Kg.



HRVS0204S

2 video channels, 2 audio channels.

Package contents:

software CD and manual.

HRVS0404S

4 video channels, 4 audio channels.

Package contents:

software CD and manual.

IP STORAGE SYSTEM

HRNS3015S

Professional system and hi technological contents by IP HR for storage data. Effective system that allows to add to the network an easy installation and reliable unit to safe filing. Use web server integrated. This storage solution gives stiff disk replaceable on warm and protection level RAID 0, 1, 5 e 10 (hot spare). It supports up to 15 Hard Disk Sata Hotswap. Net interface 10/100/1000Mb. Max capacity 7,5 TB. Communication protocol fit together with Linux, MS Windows, UNIX OS. Hierarchical Data protection with password and user management, iSCSI functions, FTP server, SAMBA, integrated system monitoring and notification on event problem.

Rack mount 3U. Weight 18 Kg.

Package contents: software CD and manual.

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ALARMED SPEED DOME SERIES TDN

SPEED DOME series TDN (true day/night with C to B/W mechanical switch filter), for day/night detailed control zone. Outdoor, Auto ICR, anti-vandal, IP67. Control modality trough RS-485 line. Video output BNC.
8 privacy areas, Super Electronic Shutter, White Balance, Super BLC , OSD, 360° continuous rotation. Programmable Rotation Speed 0,1 to 180°/s. Pelco P /D Communication Protocol and proprietary protocol for intelligent positioning 3D function compatible with DVR HR series, Autoflip, 128 selectable Presets, 8 Auto-Tour, 5 programmable Patterns, 5 Auto-Scan, 7 inputs alarm and 1 output. 24Vdc-24Vac power supply.
Dimensions 240 Ø x 318 mm.

HRSD636

Camera SONY Exview 1/4" FCB-EX1000P zoom 432x (36x optical, 12x digital), 3.4 mm (wide) to 122.4 mm (tele). Minimum illumination 0,7 Lux. Bracket not included.

HRSD626

Camera SONY Exview 1/4" FCB-EX980P zoom 312x (26x optical, 12x digital), 3.5 mm (wide) a 91.0 mm (tele). Minimum illumination 0,7 Lux. Bracket not included.

HRSD618

Camera SONY Exview 1/4" FCB-EX480CP zoom 216x (18x optical, 12x digital), 4.1mm (wide) to 73.8 mm (tele). Minimum illumination 0,7 Lux. Bracket not included.

SPEED DOME TDN ACCESSORIES

HRPS2425

Switching power regulator, 27,6Vdc 2,5A. 230Vac.
Dimensions 190 x 38 x 98mm.

HRPS2490

Voltage transformer 230Vac/24Vac 100VA.

HRST600M

Wall mount bracket.

HRST600S

Ceiling mount bracket.

HRST600P

Pole mount bracket for HRST600M.

HRST600A

Corner mount bracket for HRST600M.

Images and specification are subject to change without notice

ALARMED SPEED DOME SERIES MDN

Miniature dome series MDN (MINI DAY NIGHT) . RS-485 line. Camera Samsung with Zoom 100x (10x optical and 10x digital) to 3,8mm (wide) a 38,0mm (tele). PELCO P/D Protocol. 4 Alarm inputs and 1 output, 32 privacy zones, color video resolution 500TVL and 570 TVL black and white. Automatic or manual white BLC, OSD, 360°PAN continuous rotation, rotation speed programmable 0,1 to 400°/s, Autoflip, 240 programmable presets, 8 Autoscan e 8 programmable patterns (max 960s), Programmable tour. 12Vdc power supply.

HRSD100E

Outdoor version, anti-vandal, polycarbonate and aluminium, IP67. Dimensions 125mm Ø x 129,4mm.
12Vdc 2° power supply.

HRSD100I

Indoor version, polycarbonate and aluminium. Dimensions 130mm Ø x 147,6mm. 12Vdc 800mA power supply.

SPEED DOME MDN ACCESSORIES

HRST100M

Wall mount bracket.

HRST100S

Ceiling mount bracket.

SPEED DOME AND DVR CONTROL KEYBOARDS

HRKB001

Advanced control keyboard for HR and LCT SPEED DOME and HR' DVR series. Rs-232 and Rs-485 connection to manage speed dome HR/LCT series, zoom camera LCT and DVR HR series.
Pelco protocol P/D, Display LCD 84 x 31mm.
Dimensions 320 x 190 x 90 mm. Weight 1,0 Kg.12Vdc power supply.

HRKB001NET

Advanced control keyboard for SPEED DOME and HR DVR series trough LAN RS-232 and RS-485 connections to manage speed dome HR and LCT series, zoom camera LCT and HR DVR series and network connection to digital analog systems.
Pelco protocol P/D, Display LCD 84 x 31mm.
Dimensions 320 x 190 x 90 mm. weight 1,0 Kg. 12Vdc power supply.

Images and specification are subject to change without notice

Z SERIES (TDN, WDR, DNR, DUAL POWER) CAMERAS

Z SERIES compact outdoor camera . TDN (true day/night: C to B/W mechanical switch filter), WDR (Wide Dynamic Range: backlight wide control for a perfect sight towards outside), DNR (digital noise reduction: digital function to reduce image's noises at light lacking), SENS-UP (function to amplify exposure from 2 to 256 times to keep color vision).

General features

Thermostatic anti steaming-up. Digital zoom 10X. 8 sensible areas motion detector, 8 privacy zones. Mirror H/V function. Mini joystick and video connector for functions programming and testing by a portable monitor HRM351LCD (not included). Dual side led illuminators and mirrors for orientation and masking infrared light. Jointed cardan block anti removal bracket, cable-cutting protection, to fix on wall or ceiling. Die casting separated ring nut for easy installation to wall or ceiling. Strong protection packing for camera and accessories to prevent strokes and falls damage.

Technical features

CCD: 470K pixels 1/3" Sony Super HAD.

Resolution: 560TV lines color. S/R ratio>52dB.

Minimum illumination : 0.05 Lux color vision at F1,2 and 0.00004 Lux black and white at F1.2 (Sens Up ON).

Night vision range: adjustable outdoor double emission up to 70 m.

Night view angle: two sides free manual adjusting 0° to 90°

Protection degree: IP66

Power supply: 12Vdc/24Vac max. 1.1A.

Weight: 1700 g.

ANTI-SNATCH AND ADJUSTABLE ON WALL OR CEILING VERSIONS

HRT0550WDR

Varifocal autoiris with external regulation **5-50mm**.

Dimensions with bracket and hood (IR wings retracted): 110 (W) x 90 (H) x 300mm (D).

HRT0922WDR

Varifocal autoiris with external regulation **9-22mm**.

Dimensions with bracket and hood (IR wings retracted): 110 (W) x 90 (H) x 265mm (D).

HRT2812WDR

Varifocal autoiris with external regulation **2.8-12mm**.

Dimensions with bracket and hood (IR wings retracted): 110 (W) x 90 (H) x 265mm (D).

Images and specification are subject to change without notice

Y SERIES (TDN, DNR) OUTDOOR CAMERAS

Y Series compact outdoor camera. TDN (true day/night: C to B/W mechanical switch filter), DNR (digital noise reduction: digital function to reduce image's noises at light lacking), SENS-UP (function to amplify exposure from 2 to 128 times to keep color vision).

General features

4 sensible areas motion detector, 4 privacy zones that may be obscured. Mini joystick and video connector for functions programmming and testing by a portable monitor HRM351LCD (not included). LED illumination. Infrared light with automatic CDS sensor. Jointed cardan block anti removal bracket, cable-cutting protection, to fix on wall or ceiling. Die casting separated ring nut for easy installation to wall or ceiling. Anti-vandal Hi quality alloy strong camera body and bracket Strong protection packing for camera and accessories to prevent strokes and falls damage.

Technical features

CCD: 470K pixels 1/3" Sony Super HAD.
Resolution: 560 TV lines, color. S/R ratio>50dB.
Minimum illumination: 0.05 Lux color vision at F1,2 and 0.0006 Lux black and white at F 1,2 (Sens Up ON).
Night vision range: adjustable outdoor single emission up to 50m.
Protection degree: IP66
Power supply: 12Vdc. Max. 650mA
Weight: 1500 g.

ADJUSTABLE ON WALL OR CEILING VERSIONS

HRT0550TDN

Varifocal autoiris with external regulation **5-50mm**.
Dimensions with bracket and hood: 110 (W) x 90 (H) x 300mm (D).

HRT0922TDN

Varifocal autoiris with external regulation **9-22mm**.
Dimensions with bracket and hood: 110 (W) x 90 (H) x 265mm (D).

HRT2812TDN

Varifocal autoiris with external regulation **2.8-12mm**.
Dimensions with bracket and hood: 110 (W) x 90 (H) x 265mm (D).

ANTI-SNATCH AND ADJUSTABLE ON WALL OR CEILING VERSIONS

HRD150DNR

Anti-tear, Ultra-compact varifocal autoiris color camera with **4-9 mm** focal external regulation. IP67. Anti-removal bracket with cable cutting protection to fix on wall or ceiling. 0.00006 Lux minimum illumination. (Sens-Up 128x). Third generation DSP chip, 1/3" CCD SONY SUPER HAD, very high resolution 560 TV lines, color day/night, embedded infrared illuminator with CDS sensor for automatic activation. Easy remote protocol manageable OSD for functions settings. Motion Detector, 4 Privacy Zones, DNR, AGC functions with 4 levels selection, automatic BLC and White Balance. Remote control included.
Night vision up to 20m
Dimensions Ø 140 x 111mm, weight 1400 g.
Power supply 12Vdc max 350mA.

PORTABLE TESTING MONITOR

HRM351LCD

LCD 3,5" color portable monitor for cameras testing. Resolution 960x234. Contrast 350:1.
Dimensions 94 x 85 x 39mm. Weight 260g.

Package contents

Rechargeable battery and battery charger.
Leather protection case.

Images and specification are subject to change without notice

X SERIES (DN) OUTDOOR CAMERAS

SERIES X compact outdoor cameras, color, day/night electronic switch, BLC (Back Light Compensation).

General features

LED illuminators. Infrared light with automatic CDS sensor. Cardan block antiremoval bracket, cable cutting protection, to fix on wall or ceiling. Die casting separated ring nut for easy installation to wall or ceiling. Anti-vandal Hi quality alloy strong camera body and bracket. Strong protection packing for camera and accessories to prevent strokes and falls damage.

Technical features

CCD:1/3" Sony Super HAD.

Resolution: 540 TV lines, color.

BLC: automatic

Automatic White Balance

Minimum illumination: 0.002 Lux.

Protection degree:IP67.

ADJUSTABLE ON WALL OR CEILING

HRT551DN

Varifocal autoiris with **5-50mm** focal external regulation.

Night vision up to 40m.

Dimensions Ø 88 x 158mm, weight 2,0 Kg.

Power supply 12Vdc max 800mA.

HRT508DN

Varifocal autoiris with **9-22mm** focal external regulation.

Night vision up to 35m

Dimensions Ø 88 x 122mm, weight 1,7 Kg.

Power supply 12Vdc max 600mA.

HRT529DN

Varifocal autoiris with **2,8-12mm** focal external regulation.

Night vision up to 20m

Dimensions Ø 74 x 120mm, weight 1,5 Kg.

Power supply 12Vdc max 350mA.

ANTI-SNATCH AND ADJUSTABLE ON WALL OR CEILING COMPACT VERSION

HRD170DN

Varifocal autoiris with **4-9mm** focal external regulation.

Night vision up to 20m.

Dimensions Ø 140 x 111mm, weight 1,4 Kg.

Power supply 12Vdc max 350mA

Images and specification are subject to change without notice

IP66 MINICAMERA DN SERIES WITH VARIFOCAL LENS

HRT650DN

Color day/night bullet camera with varifocal **4-9mm** manual external adjustment lens 1/3" CCD SONY SUPER HAD, 540 TV lines. Automatic AWB, AGC e BLC functions. Perfect for indoor/outdoor IP66. Outdoor hood and wall fixing bracket included. Minimum illumination 0,5Lux.

Dimensions Ø 26 x 66mm.Weight 350 g. 12Vdc, 120mA power supply.

IP66 ANTIREMOVAL MINIDOME SERIES DN WITH PINHOLE LENS

HRD191DN

Color day/night miniature dome camera in die cast metal with fix pinhole lens 3mm. 1/3" CCD SONY SUPER HAD 540 TV lines. Angle vision 120°. Automatic AWB, AGC and BLC functions. Suitable for indoor/outdoor use IP66.

Minimum illumination 0,5 Lux.

Dimensions Ø 48 x 37mm. Weight 75 g. 12Vdc, 120mA power supply.

IP66 ANTIREMOVAL DOME SERIES DN

Color day/night dome camera with fix lens 6mm. 1/3" CCD SONY SUPER HAD 420 TV lines. Automatic AWB, AGC and BLC functions. Because of their antivandal and antiremoval IP66 structure they are ideal for indoor/outdoor. Minimum illumination 0,03 Lux. 12Vdc, 120mA power supply.

HRD350DN

Ceiling mounting.

Dimensions Ø 80 x 60,5mm.Weight 500 g.

HRD360DN

Ceiling insert mounting.

Dimensions Ø 88 x 58,5mm.Weight 400 g.

IP65 OUTDOOR CAMERAS WITH FIX LENS

IP65 outdoor compact cameras. Antiremoval Cardan block bracket, cablecutting protection, to fix on wall or ceiling. 420 TV lines. 1/3" CCD SONY SUPER HAD. Lens 6mm.

HRT613DN

Color Day/night. IR illuminator distance 20m. Minimum illumination 0.1 Lux (OFF) 0.002 Lux (ON). BLC automatic function.

Dimensions Ø 53,5 x 70mm, weight 500 g. 12 Vdc 250 mA power supply.

HRT625C

Color. Minimum illumination 0.1 Lux.

Dimensions Ø 35 x 77mm, weight 500 g. 12 Vdc 120 mA power supply.

Images and specification are subject to change without notice

C/CS MOUNT CAMERAS SERIES DN

Color day/night (on/off) camera. New DNR function (Digital Noise Reduction) allows to reduce in digital way image's noises, in very low illumination conditions as well. Minimum illumination 0.002 Lux (Sens-Up 128X). Third generation DSP chip, 1/3" CCD SONY SUPER HAD, very high resolution 560 TV lines. OSD for easy configuration. Motion Detection, 4 Privacy Zones. Selectable DNR, AGC and BLC functions with 4 regulations, manual white balance, ATW or AWC. C/CS DC-Drive (not included) mount lens.
Dimensions 58 x 52 x 123mm.

HRT710DNR
12 Vdc, 120mA power supply. Weight 350 g.

HRT710DNRH
230 Vac, 1.5W power supply. Weight 400 g.

Color day/night camera high definition 500 TV lines color and 550 TV lines black and white. New WDR (Wide Dynamic Range) function allows to have high resolution vivid sharp pictures also in backlight and in darkness conditions. C/CS DC-Drive lens mount (lens not included).
1/3" CCD SONY SUPER HAD. Minimum illumination 0.001 Lux with Sens Up ON. Sens
Up time 32x. Selectable WDR, BLC, AGC, ATW functions. Mirror Rev/Nor function.
Dimensions 120 x 60 x 50mm.

HRT600WDR
12 -24Vdc 24Vac, max 185mA power supply. Weight 250 g.

HRT600WDRH
230Vac, 2.2W power supply. Weight 300 g.

Color day/night camera high definition 500 TV lines color and 550 TV lines black and white.
New third generation DSP allows to remove noises, to assure an optimum image quality even if low light conditions. C/CS DC-Drive lens mount (lens not included). 1/3" CCD SONY SUPER HAD. Minimum illumination 0.1 Lux. Selectable BLC, AGC, ATW functions.
Dimensions 120 x 60 x 50mm.

HRT500DN
12 -24Vdc 24Vac, max 185mA power supply. Weight 250 g.

HRT500DNH
230Vac, 2.2W power supply. Weight 300 g.

C/CS CAMERAS SERIES

Color camera high definition. C/CS DC-Drive lens mount (lens not included). 1/3" CCD SONY SUPER HAD, AGC, AES (on/off), BLC (on/off), AWB functions. 1/3" CCD SONY SUPER HAD. 480 TV lines. Minimum illumination 0,1 Lux. Dimensions 120 x 60 x 50mm.

HRTC60DC
12 Vdc, 350 mA power supply. Weight 250 g.

HRTC60AC
230Vac, 7W power supply. Weight 300 g.

High definition black and white camera. C/CS DC-Drive lens mount (lens not included). AGC, AES (on/off), BLC (on/off), AWB functions. Minimum illumination 0,1 Lux.1/3" CCD SONY SUPER HAD. 620 TV lines. Dimension 120 x 60 x 50mm.

HRT60DC
12 Vdc, 350 mA power supply. Weight 250g.

HRT60AC
230 Vac, 7W power supply. Weight 300g.

Images and specification are subject to change without notice

LENS

ASPHERYCAL DAY/NIGHT IR CUT FILTER

Aspherycal day/night lens, manual varifocal , DC-Drive, autoiris. CS, 1/3" mount.
Suggested for HR and LCT day/night cameras, as for HR and LCT color and black and white standard models.

HRDN385AS	Varifocal 3 – 8.5 mm. F 1.0
HRDN2812AS	Varifocal 2.8 – 12 mm. F 1.0
HRDN7550AS	Varifocal 7.5 – 50 mm. F 1.3

VARIFOCAL AUTOIRIS DC-DRIVE

Manual varifocal lens, DC Drive, autoiris. CS, 1/3" mount.

HR0358A	Varifocal 3.5 – 8 mm. F 1.4
HR2812A	Varifocal 2.8 – 12 mm. F 1.4
HR0615A	Varifocal 6 – 15 mm. F 1.4
HR0660A	Varifocal 6 – 60 mm. F 1.6
HR05100A	Varifocal 5 – 100 mm. F 1.6

VARIFOCAL MANUAL IRIS

Manual varifocal lens, manual iris. CS, 1/3" mount.

HR0358M	Varifocal 3.5 – 8 mm. F 1.4
HR2812M	Varifocal 2.8 – 12 mm. F 1.2
HR0615M	Varifocal 6 – 15 mm. F 1.4
HR0660M	Varifocal 6 – 60 mm. F 1.6
HR05100M	Varifocal 5 – 100 mm. F 1.6

MINIATURE CAMERAS MINILENS

Miniature cameras minilens with universal type "S" mount.

HRML21	Minilens 2.1 mm. F 2
HRML29	Minilens 2.9 mm. F 2
HRML36	Minilens 3.6 mm. F 2
HRML60	Minilens 6 mm. F 2
HRML80	Minilens 8 mm. F 2
HRML120	Minilens 12 mm. F 2
HRML160	Minilens 16 mm. F 2

Images and specification are subject to change without notice

BRACKETS AND HOUSINGS

HRST9203

Camera crank bracket in aluminium.

Maximum loaded 3 Kg.

HRST9202

Adjustable length C/CS cameras aluminium bracket.

Lenght: minimum 30 cm, maximum 42 cm.

Maximum loaded 3 Kg.

HRST9201

C/CS cameras aluminium bracket.

Maximum loaded 3 Kg.

HRST1001

C/CS cameras ABS bracket.

Maximum loaded 1 Kg.

HRC5140H

Aluminium camera housing. Side opening, with cooling fan and thermostat system (15°C activation).

Temperature: -35°C +50°C

Humidity: 100% RH

Supply voltage: 230 Vac.

Dimensions : 144x100x467mm.

Inside available space: 100×80x360mm.

HRST060

Aluminium bracket for HRC5140H Housing.

Images and specification are subject to change without notice

INDOOR MINIATURE CAMERAS

Indoor miniature cameras. Metallic rectangular cover with bracket and angular support. 1/3" CCD SONY SUPER HAD. 420 TV lines. Weight 50 g. 12 Vdc, 100 mA power supply.

HRT050C

Color. Minimum illumination 0.5 Lux.

3.6mm lens. Dimensions 30x30x30mm.

HRT059

Black and white. Minimum illumination 0.02 Lux.

3.6mm lens. Dimensions 30x30x30mm.

HRT051C

Color. Minimum illumination 0.5 Lux.

Pinhole conic lens 3.7mm. Dimensions 30x30x19mm.

HRT060

Black and white. Minimum illumination 0.02 Lux.

Pinhole conic lens 3.7mm. Dimensions 30x30x19mm.

HRT052C

Color. Minimum illumination 0.5 Lux.

Pinhole flat lens 3.7mm. Dimensions 30x30x15mm.

HRT061

Black and white. Minimum illumination 0.1 Lux.

Pinhole flat lens 3.7mm. Dimensions 30x30x15mm.

IP67 LED INFRARED LIGHTS

Weatherproof IP67 infrared light with CDS sensor in metallic case. Antiremoval cardan block bracket, cablecutting protection, to fix on wall or ceiling. 12 Vdc power supply.

HRIR84

IR distance 15 m. Degrees 40° view angle. 700 mA.

Dimensions Ø 85 x 105 mm. Weight 500 g.

HRIR42

IR distance 10 m. Degrees 35° view angle. 400 mA.

Dimensions Ø 72 x 100 mm. Weight 350 g.

Images and specification are subject to change without notice

MONITORS

LCD TFT FOR PROFESSIONAL TVCC INSTALLATIONS

HRM19LCD

19" LCD active matrix TFT Monitor. Resolution 1280x1024 SXGA. 500 TV lines. Contrast 500:1. Brightness 300 cd/m2. View angle 150°(H) / 130°(V) degrees. Connectors: VGA in, BNC in/out, S-Video in/out, audio in/out. OSD menu. Support to fix on wall. Declared operation time MTBF 40.000 hours. 12 Vdc power supply included. Dimensions 424x419x170mm. Weight 6.1 Kg

HR17LCD

17" LCD active matrix TFT monitor. Resolution 1280x1024 SXGA. 500 TV lines. Contrast 550:1. Brightness 400 cd/m2. View angle 140°(H) / 130°(V) degrees. Connectors: VGA in, BNC in/out, S-Video in/out, audio in/out. OSD menu. Support to fix on wall. Declared operation time MTBF 40.000 hours. 12 Vdc power supply included.
Dimensions 386x388x170mm. Weight 5,2 Kg.

HR15LCD

15" LCD active matrix TFT monitor. Resolution 1024x768. 500 TV lines. Contrast 400:1. Brightness 350 cd/m2. View angle 120°(H) / 100°(V) degrees. Connectors: VGA in, BNC in/out, S-Video in/out, audio in/out. OSD menu. Declared operation time MTBF 40.000 hours. 12 Vdc power supply included.
Dimensions 364x316x170mm. Weight 4 Kg.

HRM07LCD

7" LCD active matrix TFT monitor. Resolution 1440x234. 2 video in RCA connectors. 1 audio in RCA connector. OSD menu. Adjustable bracket to fix on wall or level. Remote control included. Automatic management with priority channel for video-entry intercom and Motor vehicle reverse motion applications. 12 Vdc, 410mA power supply.
Dimensions 172x115x24mm. Weight 350gr.

HRM351LCD

Color portable monitor for cameras testing with leather holder. 3,5". Resolution 960x234 pxls. Contrast 350:1. One video input. Rechargeable battery and battery charger included. Dimensions 94x85x39mm.Weight 260g.

CRT WITH AUDIO

Audio monitor with metallic case. OSD menu. 230Vac power supply.

HR14MCA

14" CRT color monitor. Resolution more than 400 TV lines. 2 audio/video channels (in/out) (1 BNC, 1 S-Video).
Dimensions 350x350x360mm. Weight 14 Kg.

HR12MA

12" CRT black and white monitor. Resolution more than 800 TV lines. 1 audio/video channel (in/out).
Dimensions 304x320x310mm. Weight 8 Kg.

Images and specification are subject to change without notice

VIDEO BALUN

Video Balun (**bal**anced-**un**balanced) system is a signal converter that allows long distances real time transmission of audio/video signal black and white or color using economic UTP CAT 5E or superior cable. System transforms video signal from out of balance 75 Ohm (unbalanced) to a same one 100 Ohm balanced. All items of the system are interfaced each other to obtain an exceptional variety of combinations for distances from 50 cm to 3 Km, without signal quality loss, in very noisy fields as well. Passive transmitters and receivers are interchangeable in their use. Applications: couple of passive Video balun TX and RX up to 600m (b/w), passive TX and active RX up to 1.200m (b/w), couple of active Video balun up to 2.700m (color) and 3.000m (b/w).

HR401T

Active transmitter 4 video channels. 4 BNC input. 1 RJ45 output.

HR302T

Active transmitter 1 audio/video/PTZ channel. 1 BNC input. RS485 terminal clamp.
1 RCA input. 1 RJ45 output.

HR202T

Passive transmitter 1 audio/video channel. 1 BNC input. 1 UTP cable clamp output.
(Also usable as receiver). 4 pieces packaging.

HR401R

Active receiver 4 video channels. 1 RJ45 input. 4 BNC output.

HR302R

Active receiver 1 audio/video/PTZ channel. RS485 terminal clamp.
1 RJ45 input.1 BNC output. 1 RCA output.

HR202R

Passive receiver 1 audio/video channel. 1 BNC input. 1 UTP cable clamp output.
(Also usable as transmitter). 4 pieces packaging.

HR1610R

Active receiver 16 video channels. 4 RJ45 input. 32 BNC output.

SUPPLIED VIDEO BALUN

Innovative bidirectional video transmission system and power supply for single camera.
HR213 Video Balun, in addiction to transmit video signal, are able to supply 12-24Vdc to the camera, using a single UTP CAT 5E or superior cable.

HR213R

Passive receiver, BNC Impedance: 75 Ohm – RJ45:100 Ohm

HR213T

Passive transmitter, BNC Impedance: 75 Ohm – RJ45:100 Ohm

HRUTP5E

4 twisted pair unshielded cable. Pack. 305 m.

Images and specification are subject to change without notice

QUAD SPLITTERS, VIDEO SWITCHERS AND VIDEO DISTRIBUTOR

HR6401

Color, black and white quad splitters, Real Time. 4 video inputs. 1 monitor output. Channels switching. Sound buzzer. Motion detection. In/out video-recorder connection. 12Vdc, 1.2A power supply. Dimensions 220x160x40mm. Weight 1,0 Kg.

Video Switcher: BNC inputs/outputs temporized with manual regulation. By pass, auto and home functions for input. Aluminium case. 230 Vac power supply. Commutation time from 1 to 15 sec.
Dimensions 218 x 44 x 96mm. Weight 820 g.

HR508

8 inputs / 2 outputs

HR504

4 inputs / 2 outputs

HRD48

VIDEO DISTRIBUTOR 4 inputs, 8 outputs. Aluminium case. 230 Vac power supply.
Dimensions 218 x 44 x 96mm. Weight 820 g.

HR122AT

VIDEO AMPLIFIER for 75 Ohm coaxial cable, adjustable amplification up to 13dB.
Cable lenght adjustment control. Aluminium case. 230 Vac power supply.
Dimensions 212x218x45mm.Weight 1,3 Kg.

CABLES

HRRG59

Coaxial 75 Ohm cable for video signal transmission. Pack. 100 m.

HRMINICOAX

Minicoaxial 75 Ohm cable for video signal transmission. Pack. 100 m.

HRMICRO4

Minicoaxial 75 Ohm +2x 0,75 +2x 0,22. Pack. 100 m.

HRUTP5E

4 twisted pair unshielded cable. Pack. 305 m.

Images and specification are subject to change without notice

CONNECTORS

HRBNCC

BNC connector.

HRBNCBNC

Female BNC – female BNC connector.

HRBNCT

T shaped BNC connector 2 females – 1 male.

NIPPER

HRPINBNC

Crimp nipper for BNC connectors.

PORTABLE TESTING MONITOR

HRM351LCD

LCD 3,5” color portable monitor for cameras testing. Resolution 960x234. Contrast 350:1.

Dimensions 94 x 85 x 39mm. Weight 260g.

Package contents:

Rechargeable battery and battery charger.

Leather protection case.

POWER SUPPLIES

HRPS1212

12Vdc, 1.2A regulator with plug connection.

HRPS1230

Switching power supply regulator, 13.8Vdc 3A. 230Vac power supply.

Dimension 130 x 38 x 98mm.

HRPS2425

Switching power supply regulator, 27.6Vdc 2,5A. 230Vac power supply.

Dimensions 190 x 38 x 98mm.

HRPS2490

Voltage transformer 230Vac/24Vac 100VA

Images and specification are subject to change without notice

SALE TERMS

Supply limit

The placement order. Receipt in our organization is subject to approvation from HR.

Minimum order

Exist a minimum order established in € 300 VAT excluded.

Shipment

The goods travel at risk and peril of the Buyer. No claims for damages are accepted, if is not verified by courier.

Prices

The prices is subject to change without notice.

Returned goods

Any returned goods shall only be accepted if previously agreed and authorised in writing, and in any case shall always be carriage-paid.

Dimensions and design

The details of dimensions and design, are only generals news and may be to change without notice.

Payment

The payment must be made to HR Hi Resolution in expiry date established in advice. The expiry of payment will may interrupt the supply from Hi Resolution.

Competent Law Court

For any disputes, wherever the order was placed, the agreement shall be considering as finalized at our registered office in Rome. Any disputes shall be settled by the Rome Court Law.

Hi Resolution since our products are continually being renewed and improved, the construction characteristics, price and design may be subject to variation without prior warning.

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